

Amendments to the Substitute Specification

Please replace the paragraph bridging pages 15 and 16 with the following amended paragraph:

A film having a thickness of 30 nm comprising a platinum-palladium alloy was formed as a cathode 2 on one surface of this porous film 4 by ~~spattering~~ sputtering. Even after the cathode 2 was formed, the penetrated holes of the porous film were not blocked.